Sheet	1	of	1	

NFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) APPLICANT Shiged MIYASHITA et al. FILING DATE November 21, 2003 U.S. PATENT DOCUMENTS EXAMINER OCCUMENT NUMBER DATE NAME CLASS C	Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 117119			APPLICATION NO. New U.S. Patent Application				
EXAMINER STATE Country Care Country Care Country Care C	INFORMATION DISCLOSURE STATEMENT			:								
FILING DATE November 21, 2003	(Use several sheets if necessary)											
November 21, 2003	-			ļ			- Τ					
EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUB CLASS SUB CLASS SUB CLASS SUB CLASS CLASS SUB CLASS CLASS CLASS CLASS Assnuma et al.										•		
NITIAL DOCUMENT NUMBER DATE NAME CLASS CLASS 1 5,715,679 02/10/1998 Asanumu et al.	U.S. PATENT DOCUMENTS											
FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS CLASS CLASS A 3 JP A 7-139340 w/abstr. + trans. 05/30/1995 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BIM & TRAN DATE CONSIDERED OTHER DOCUMENTS (Including Section is in conformance with M.P.P.P. 609: draw line through citation if not in the conformance with M.P.P.P. 609: draw line through citation if not in the conformance with M.P.P.P. 609: draw line through citation if not in the conformance with M.P.P.P. 609: draw line through citation if not in the conformance with M.P.P.P. 609: draw line through citation if not in the conformance with M.P.P.P. 609: draw line through citation if not in the conformance with M.P.P.P. 609: draw line through citation if not in the conformance with M.P.P.P. 609: draw line through citation if not in the conformance with M.P.P.P. 609: draw line through citation if not in the conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation conformance with M.P.P.P. 609: draw line through citation in the conformance with M.P.P.P. 609: draw line through citation conformance with M.P.P.P. 609: draw lin			DOCUMENT NUMBER		DATE NAME			CLASS				
FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS CLASS PA 3 JP A 7-139340 w/abstr. + trans. 05/30/1995 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BANA Q TRAN DATE CONSIDERED (55/b)/055 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in	Br	1	5,715,679	02/	10/1998	Asanuma et al.						
FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS CLASS PA 3 JP A 7-139340 w/abstr. + trans. 05/30/1995 Japan — OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BILL STRAN DATE CONSIDERED OS MADE C	1/	2	10/266,582	10/0	09/2002	Kako et al.						
DOCUMENT NUMBER DATE COUNTRY CLASS SUB CLASS A JP A 7-139340 w/abstr. + trans. 05/30/1995 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BIM Q TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in			·									
DOCUMENT NUMBER DATE COUNTRY CLASS SUB CLASS A JP A 7-139340 w/abstr. + trans. 05/30/1995 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BIM Q TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in												
DOCUMENT NUMBER DATE COUNTRY CLASS SUB CLASS A JP A 7-139340 w/abstr. + trans. 05/30/1995 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BIM Q TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in												
DOCUMENT NUMBER DATE COUNTRY CLASS SUB CLASS A JP A 7-139340 w/abstr. + trans. 05/30/1995 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BIM Q TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in												
DOCUMENT NUMBER DATE COUNTRY CLASS SUB CLASS A JP A 7-139340 w/abstr. + trans. 05/30/1995 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BIM Q TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in										-		
DOCUMENT NUMBER DATE COUNTRY CLASS CLASS PA 7-139340 w/abstr. + trans. 05/30/1995 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BIM Q TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in			FOREIC	SN P/	ATENT DO	CUMENTS						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BIM Q TRAN DATE CONSIDERED 1 0.5 / 10.5 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in			DOCUMENT NUMBER		DATE	COUNT	COUNTRY		CLASS			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER BIM Q. TRAN DATE CONSIDERED 0.5 / 10/5 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in	Rn	3	JP A 7-139340 w/abstr. + trans.	05/30/1995		Japan						
EXAMINER DATE CONSIDERED 1								:				
EXAMINER DATE CONSIDERED 1												
EXAMINER DATE CONSIDERED 1							-					
EXAMINER DATE CONSIDERED 1												
EXAMINER Bind Q. TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in			OTHER DOCUMENTS (Inc	cludir	ng Author,	Title, Date, Pertinent Pag	es, etc.)					
EXAMINER BIM Q. TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in							<u>-</u>	•				
EXAMINER BIM Q. TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in		ļ										
EXAMINER BIM Q. TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in										•		
EXAMINER BIM Q. TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in	-											
EXAMINER BIM Q. TRAN DATE CONSIDERED 05/10/05 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in												
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in			·									
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in												
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in												
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609: draw line through citation if not in									105			
conformance and not considered. Include copy of this form with next communication to applicant.												

Date: November 21, 2003